

WEEKLY WEATHER AND CROP BULLETIN

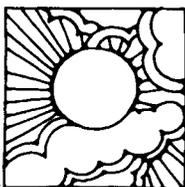
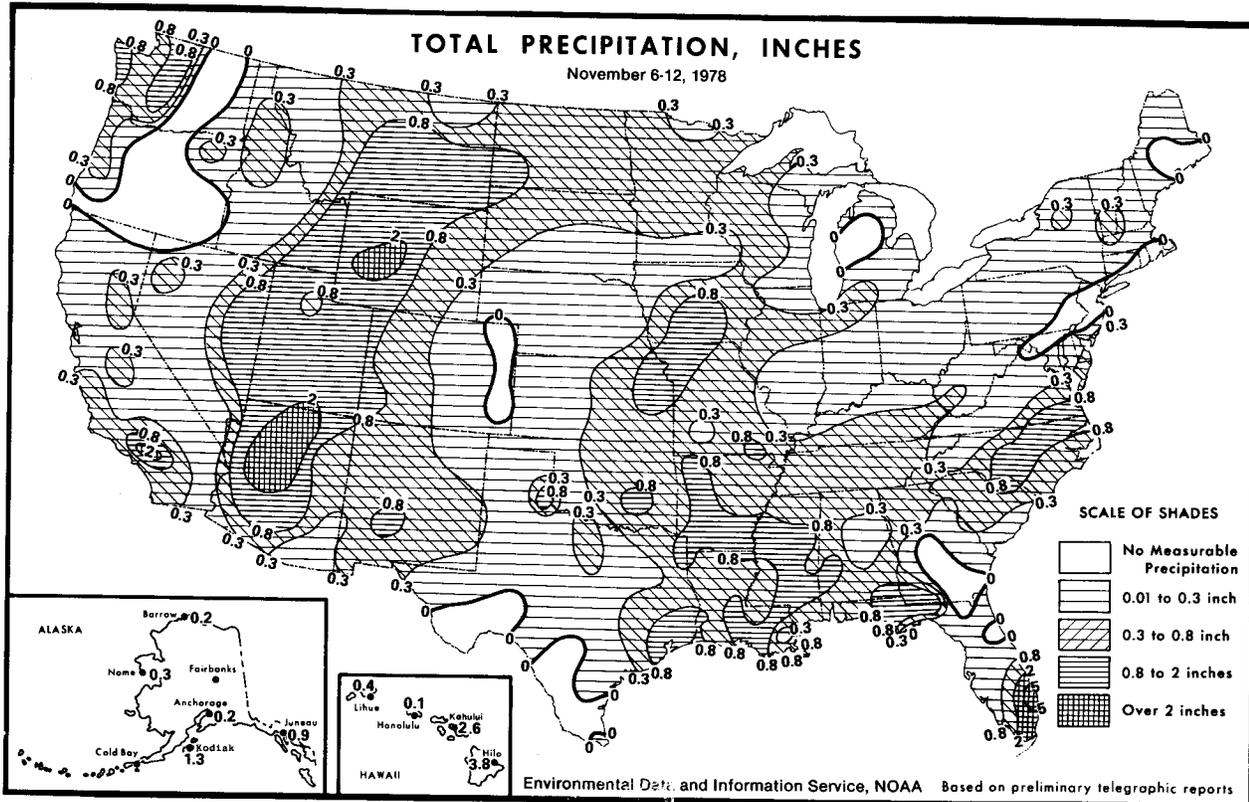
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National Weather Summary

November 6 - 12

HIGHLIGHTS: Most of the Nation showed above-normal temperatures early in the week; some record high readings warmed the northern Rockies and Plateau Region. After midweek, the season's first major winter storm blasted the northern tier of States plunging some of the same areas into record cold. Heavy snow and strong winds hit from southern Montana into Utah and touched northern Arizona. Lighter amounts of snow reached northern Minnesota and the west central Plains.

Some moisture fell on nearly all parts of the country, however, exceptions included no rain in the dry sections of Georgia while only very light amounts dampened the Appalachians. Southern Florida experienced showers about every day.

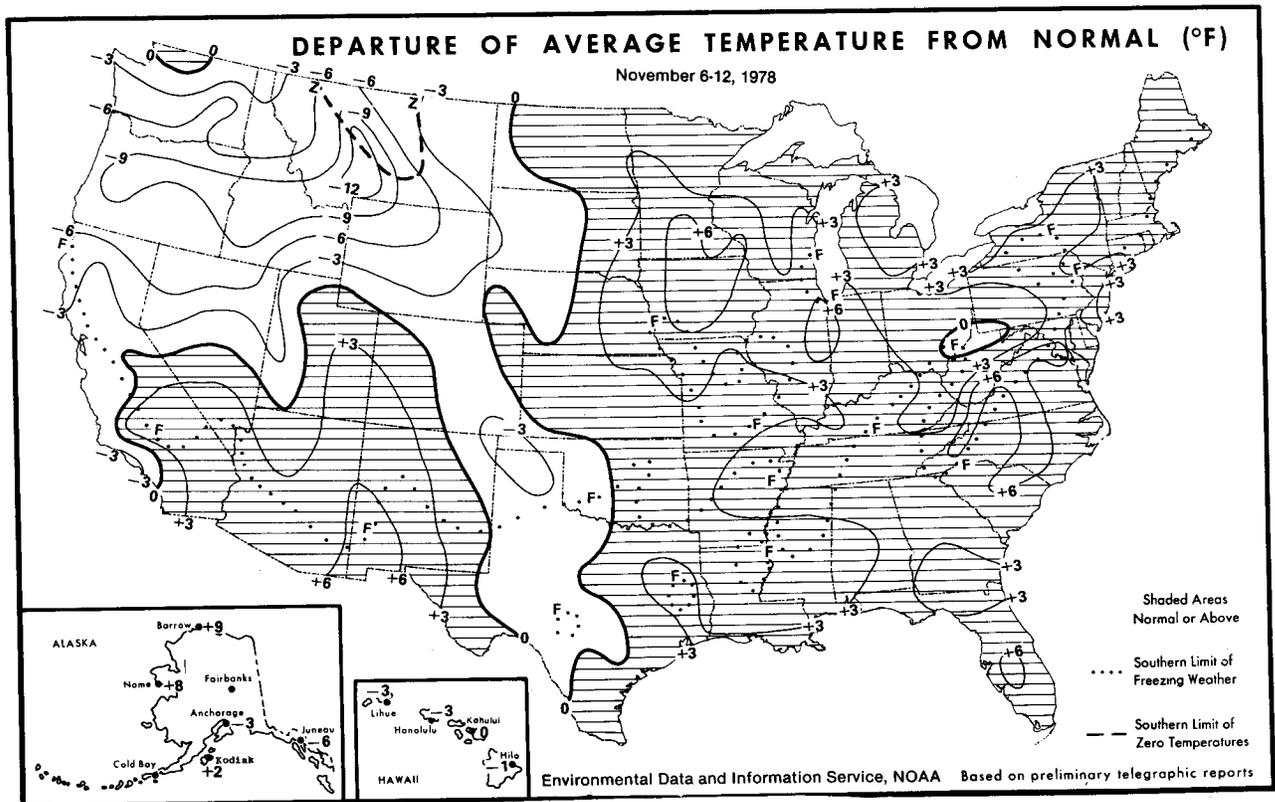
A large mass of Canadian air surged into the Nation's northern tier on Monday. Temperatures dipped below 15° in parts of Montana and North Dakota.

Most of the day's moisture fell from the southern Plains and Delta Region through the middle Mississippi Valley. Galveston, Tex., notched 1.8 inches while most other points got from one-third to three-quarters inch.

Heavy rain stretched across the Deep South and into the Tennessee Valley on Tuesday. Most amounts stayed below an inch except in Florida. Downpours soaked Tallahassee with more than an inch and West Palm Beach with more than 4.5 inches.

A cold front moved into the Pacific Northwest carrying more than an inch to some stations across Washington.

Readings warmed to record highs over the Rockies and Plateau Region and a segment of the Atlantic Coast. In northern Montana, Glasgow reached 69° and Havre, 71°. Las Vegas, Nev., at 81°, matched its record while Sheridan, northern Wyoming, set a new one at 71°. At Raleigh/Durham, N.C., 76° tied the old mark.



Wednesday dawned warm and windy in the upper Rockies, but by day's end, the first winter storm of the season edged into Montana.

Meantime rain ranged up the Eastern Seaboard from Florida to southern Virginia. Fayetteville, south central North Carolina, gathered an inch and one-half while most other totals remained below an inch from Miami to Norfolk. However, the additional moisture at West Palm Beach pushed the 24-hour total to a November record of 5.26 in. in one day. The total monthly rainfall of 6.98 in. already set a November record. A few showers dotted Oregon, Idaho, and Montana.

Record warm temperatures covered an area from the central Rockies across the central Plains into the extreme upper Midwest. A sampling showed Denver's 78°, 76° at Scotts Bluff, western Nebraska, and 59° at International Falls, northern Minnesota. The 83° at Pueblo, Colo., not only topped the 1964 former record by 5, but climbed from the morning's low reading of 28°.

The season's first major winter storm plowed into the northern Rockies on Thursday. By day's end, snow extended from Montana southward to Nevada and flurries touched western Minnesota. The heaviest snow blanketed Wyoming where Lander reported 9 inches in the west central portion of the State.

The only other moisture was a bit of rain in the Pacific Northwest and another inch and one-half at West Palm Beach, Fla.

Temperatures remained warm in Colorado and Nebraska. Pueblo, Colo., at 82°, set another record. Alamosa, south central Colorado, hit 64°, and Grand Island, south central Nebraska, reached 75° to tie their records.

On Friday, the problems of the western snowstorm were compounded by brisk winds, sharply plummeting temperatures, and another storm moving out of the Southwest.

Lander, Wyo., counted 13 inches; Logan, northern Utah, saw 6 inches; and Billings, south central

Montana, notched 7 inches. Meantime, readings dipped to as low as zero in Montana and Wyoming. A new push of moisture from the Pacific Ocean joined the first storm dumping snow on Colorado and the western parts of Kansas and Nebraska as well as the Dakotas.

In other sections of the country, heavy hail pelted Fayetteville, N.C.; Miami, Fla., measured rain of 1.27 in.; and a half-inch dampened Deming and Almagordo, southern New Mexico.

The chill pushed temperatures down in the Northwest---Boise, at 10°, and Portland, Oreg., at 25°, set records for cold so early in the season. By contrast, Port Arthur, East Texas, tallied a record high 83°.

On Saturday, the snow persisted over the Rockies and Plateau Region with lighter accumulations over the Plains. Lander, Wyo., couldn't get out from under the clouds and collected a total of 18 inches. Cut Bank, northwestern Montana, noted -22° and northern Utah was buffeted by very strong winds including gusts that topped 100 mph. Portions of Arizona and southern California received one-half to one inch of rain. West Palm Beach, Fla., chalked up another inch and a half.

Medford, southwestern Oregon, shivered at 13°, the lowest reading ever for so early in the season. At 83°, Port Arthur, Tex., set a new high which was the fifth time this month the city has broken or tied a former record high.

Sunday dawned no differently in the Rockies and Plateau Region as snow continued to fall. The Dakotas and Minnesota began collecting 3 inches and more.

Areas of rain showed a half to one inch in northern Texas and parts of Arizona and the upper half of the Mississippi Valley.

Portland, Oreg., again experienced a record low for so early in the season with only 19°. On the other hand, Atlanta's 79° was a record high reading for the date.



National Agricultural Summary

November 6 - 12

HIGHLIGHTS: Another week of open weather gave farmers more time to harvest crops in the Great Plains and Corn Belt. However, soil moisture continued to decline. Soil moisture held short to very short across the South and short to adequate across the North. The situation improved somewhat in the West when the first significant storm of the season moved across many parts of that area. Pasture and ranges rated poor to fair in most sections except Montana and Florida where ratings were good. Generally 5 to 6 days were suitable for fieldwork. Corn harvest reached 92% in the Nation, well ahead of 82% last year and the average. Soybean harvest advanced to 91%, far surpassing the 1977 harvest of 76% and the 82% average. Cotton harvest in the 11 southern States reached 54%, lagging 1977's 73% but edging the 53% average. Grain sorghum harvest in the 7 major producing States advanced to 92%, ahead of last year's 91% and the 85% average. Citrus harvest got underway, and vegetable activity centered in the southern States.

SMALL GRAINS: Winter wheat seeding was generally complete. Wheat in eastern Kansas received needed rains while the western third remained dry. Good stands were reported in Ohio. Winter wheat scored fair in Oklahoma, but South Dakota experienced some greenbug infestation as well as stress from dry soils. Montana rated its wheat good with only light wind damage from recent storms.

CORN: The Nation's corn crop stood at 92% harvested, 10 points ahead of last year and the average.

In the eastern north central States, harvest stood at 88%, a 12-point increase from a week ago. Last year's progress by this date hit 78% and the average, 79%. Wisconsin reported storage nearly full.

In the western north central States, harvest stood at 95%, a 5-point increase for the week. Last year harvest had reached 83%, just behind the 84% average. Harvest neared completion in northern parts of the region. Iowa reported storage on and off farms mostly short to adequate.

In the South, corn harvest ranged from 89% in Kentucky to 95% in Georgia and complete in North Carolina and Texas.

SOYBEANS: The U. S. soybean harvest advanced to 91%, well ahead of last year's 76% and the 82% average.

In the eastern north central States, harvest reached 98%, 4 points ahead of last week. Last year's harvest stood at 90% and the average at 93%. Only Illinois reported the 1978 harvest finished.

In the western north central States, harvest tallied 97%, a 3-point increase for the week. Last year the harvest had advanced to 81% compared

with the 90% average. Harvest was essentially complete in Nebraska and Iowa. Missouri, at 92%, moved 27 points ahead of last year.

In the south central States, harvest hit 88%, a 12-point increase from the previous week, and well ahead of last year's 69% and the average of 66%. Louisiana at 95%, led the region while Texas, at 76%, showed the smallest harvest percentage.

In the Southeast, North Carolina stood at 50% harvested. South Carolina at 54%, and Georgia at 72%.

COTTON: Harvest in the 11 southern States passed the halfway mark to reach 54%, lagging last year by 19 points but 1 point ahead of average. Texas harvest lagged at 35%, compared with 69% last year. Several Texas localities weathered freezing temperatures which will speed harvest; however, for most areas on the Plains a heavy freeze is still needed for defoliation. Oklahoma picking stood at 15% compared with 32% last year and the 13% average. Arizona cotton picking hit full swing where conditions permitted.

OTHER CROPS: Grain sorghum harvest managed 92%, 4 points ahead of last week and up from last year's 91% and the average of 85%. High moisture content delayed harvest in Texas.

Sugarbeet harvest neared completion in all parts of the country. Sugarcane harvest in Louisiana was 42% complete compared with 35% last year and average. The Arkansas rice harvest wound down to completion.

FRUITS AND NUTS: Grape and deciduous fruit harvests were nearly done. Pecans mostly rated poor to fair with harvest well underway. Florida citrus groves scored good to excellent with very little splitting of oranges. In California, the Navel orange crop sized well and showed color--- the harvest started. Tangerine harvest had begun, but coloring was slow.

VEGETABLES: Florida vegetable crops generally rated fair to good. Conditions declined slightly in some southern areas because of heavy rains. Harvest continued active where weather permitted. Overall, shipments rose 11% from the previous week. Texas cabbage, bell pepper, honeydew melon, and cucumber harvests progressed in the lower Rio Grande Valley.

PASTURE AND LIVESTOCK: Pastures rated only poor to fair in most States except good in Montana and Florida. Cattle grazed stubblefields in several States; however, supplemental feeding increased in most areas. In the West, most herds had moved into winter grazing areas. Livestock condition rated fair to good in nearly all sections of the country.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Nov. 12, 1978

States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	57	+ 3	.1	-.7	LA. Baton Rouge . . .	61	+ 1	.7	-.1	Youngstown . . .	45	+ 2	T	-.7
Mobile . . .	62	+ 2	.5	-.1	Lake Charles . . .	63	+ 1	.8	-.1	OKLA. Okla. City . . .	52	0	.7	+ .3
Montgomery . . .	60	+ 3	.2	-.5	New Orleans . . .	65	+ 3	.2	-.6	Tulsa . . .	54	+ 2	.4	-.1
ALASKA Anchorage . . .	20	- 3	.2	0	Shreveport . . .	60	+ 2	.5	-.3	OREG. Astoria . . .	41	- 6	.5	+ 1.7
Barrow . . .	12	+ 9	.2	+ .1	MAINE. Caribou . . .	37	+ 2	.1	-.7	Burns . . .	31	- 7	0	-.3
Fairbanks . . .	-. . .	-. . .	-. . .	-. . .	Portland . . .	42	+ 1	.1	-1.0	Medford . . .	38	- 7	0	-.7
Juneau . . .	28	- 6	.9	-.5	MD. Baltimore . . .	52	+ 3	T	-.7	Pendleton . . .	35	- 8	.1	-.3
Kodiak . . .	38	+ 2	1.3	0	MASS. Boston . . .	50	+ 2	.1	-.9	Portland . . .	40	- 7	.2	-1.1
Nome . . .	27	+ 8	.3	+ .1	Chatham . . .	51	- 4	0	-.6	Salem . . .	39	- 7	.2	-1.2
ARIZ. Flagstaff . . .	40	+ 2	4.4	+ 4.1	MICH. Alpena . . .	42	+ 4	T	-.6	PA. Allentown . . .	49	+ 4	0	-.8
Phoenix . . .	67	+ 5	1.6	+ 1.5	Detroit . . .	45	+ 2	.1	-.5	Erie . . .	45	+ 2	.1	-.8
Tucson . . .	65	+ 5	.2	+ .1	Flint . . .	46	+ 5	.1	-.5	Harrisburg . . .	50	+ 3	T	-.7
Winslow . . .	51	+ 5	.6	+ .5	Grand Rapids . . .	42	0	.1	-.6	Philadelphia . . .	52	+ 3	0	-.8
Yuma . . .	70	+ 4	T	-.1	Houghton Lake . . .	41	+ 4	T	-.6	Pittsburgh . . .	45	+ 1	.2	-.4
ARK. Fort Smith . . .	53	0	.4	-.3	Lansing . . .	44	+ 3	.2	-.4	Scranton . . .	45	+ 1	.1	-.6
Little Rock . . .	58	+ 5	.6	-.3	Marquette . . .	39	+ 2	.2	-.5	R. I. Providence . . .	48	+ 2	T	-1.0
CALIF. Bakersfield . . .	63	+ 5	T	-.1	Muskegon . . .	42	0	T	-.7	S. C. Charleston . . .	62	+ 4	T	-.5
Eureka . . .	47	- 5	.2	-1.1	S. Ste. Marie . . .	37	+ 1	T	-.8	Columbia . . .	62	+ 6	.6	+ .1
Fresno . . .	55	- 1	.5	+ .2	MINN. Duluth . . .	34	+ 2	.4	0	Greenville . . .	57	+ 4	.3	-.4
Los Angeles . . .	61	- 3	.7	+ .3	Internatl Falls . . .	30	+ 1	.2	-.1	S. D. Aberdeen . . .	34	0	.5	+ .4
Red Bluff . . .	55	- 1	.2	-.5	Minneapolis . . .	43	+ 7	.5	+ .2	Huron . . .	38	+ 2	.1	-.1
San Diego . . .	63	+ 1	.6	+ .3	Rochester . . .	40	+ 4	.2	-.1	Rapid City . . .	35	- 3	.4	+ .3
San Francisco . . .	55	- 2	.2	-.3	St. Cloud . . .	37	+ 3	.4	+ .1	Sioux Falls . . .	41	+ 4	.2	0
Stockton . . .	55	0	.2	-.2	MISS. Jackson . . .	58	+ 1	.8	0	TENN. Chattanooga . . .	55	+ 4	.5	-.3
COLO. Denver . . .	41	0	.1	-.1	Meridian . . .	57	+ 1	.6	-.1	Knoxville . . .	56	+ 5	.4	-.4
Grand Junction . . .	46	+ 3	.2	+ .1	MO. Columbia . . .	50	+ 3	.3	-.2	Memphis . . .	58	+ 5	.5	-.4
Pueblo . . .	42	- 1	.1	0	Kansas City . . .	51	+ 4	.9	+ .5	Nashville . . .	54	+ 3	.6	-.1
CONN. Bridgeport . . .	52	+ 3	T	-.9	St. Louis . . .	50	+ 2	.2	-.4	TEX. Abilene . . .	56	0	T	-.3
Hartford . . .	45	+ 1	.1	-.9	Springfield . . .	50	+ 2	.2	-.4	Amarillo . . .	46	- 3	.1	-.1
D. C. Washington . . .	57	+ 6	T	-.7	MONT. Billings . . .	29	- 9	1.3	+ 1.1	Austin . . .	60	- 1	.2	-.3
FLA. Apalachicola . . .	69	+ 6	0	-.6	Glasgow . . .	30	- 2	.2	+ .1	Beaumont . . .	67	+ 5	1.1	+ .2
Daytona Beach . . .	71	+ 4	T	-.6	Great Falls . . .	25	-12	.8	+ .6	Brownsville . . .	70	+ 1	T	-.3
Ft. Myers . . .	75	+ 4	T	-.4	Havre . . .	29	- 4	.5	+ .4	Corpus Christi . . .	68	+ 2	T	-.4
Jacksonville . . .	63	0	T	-.4	Helena . . .	26	- 8	.1	0	Del Rio . . .	62	0	.3	+ .1
Key West . . .	77	+ 1	1.8	+ 1.1	Kalispell . . .	29	- 4	T	-.3	El Paso . . .	60	+ 6	.3	+ .2
Lakeland . . .	74	+ 6	-. . .	-. . .	Miles City . . .	32	- 3	1.7	+ 1.6	Fort Worth . . .	59	+ 1	.1	-.4
Miami . . .	77	+ 4	2.5	+ 1.7	Missoula . . .	30	- 4	.2	0	Galveston . . .	66	+ 1	1.6	+ .9
Orlando . . .	72	+ 4	.2	-.2	NEBR. Grand Island . . .	44	+ 3	.1	0	Houston . . .	64	+ 1	.8	-.1
Tallahassee . . .	61	0	1.1	+ .5	Lincoln . . .	46	+ 4	.2	0	Lubbock . . .	51	0	T	-.2
Tampa . . .	71	+ 4	T	-.4	Norfolk . . .	44	+ 5	.3	+ .2	Midland . . .	53	- 2	T	-.1
W. Palm Beach . . .	75	+ 3	8.8	+ 8.1	N. Platte . . .	38	- 1	.1	0	San Angelo . . .	57	- 1	T	-.2
GA. Atlanta . . .	59	+ 5	.3	-.4	Omaha . . .	46	+ 5	.3	0	San Antonio . . .	62	0	T	-.4
Augusta . . .	60	+ 4	.3	-.2	Valentine . . .	36	- 1	.1	0	Victoria . . .	64	0	.1	-.5
Macon . . .	60	+ 3	T	-.5	NEV. Ely . . .	35	- 1	.9	+ .8	Waco . . .	63	+ 3	.1	-.5
Savannah . . .	64	+ 5	.1	-.3	Las Vegas . . .	61	+ 5	T	-.1	Wichita Falls . . .	54	- 1	.4	+ .1
HAWAII. Hilo . . .	73	- 1	3.8	+ .8	Reno . . .	37	- 5	.1	0	UTAH. Blanding . . .	45	+ 4	1.7	+ 1.5
Honolulu . . .	74	- 3	.1	-.6	Winemucca . . .	33	- 6	.1	-.1	Salt Lake City . . .	42	+ 1	.6	+ .3
Kahului . . .	76	0	2.6	+ 2.1	N. H. Concord . . .	43	+ 2	.2	-.7	VT. Burlington . . .	43	+ 3	T	-.7
Lihue . . .	73	- 3	.4	-.9	N. J. Atlantic City . . .	52	+ 3	.5	-.5	VA. Lynchburg . . .	55	+ 6	.2	-.4
IDAHO. Boise . . .	33	- 9	.1	-.2	Trenton . . .	53	+ 4	0	-.7	Norfolk . . .	58	+ 4	1.2	+ .5
Lewiston . . .	37	- 5	.1	-.2	N. MEX. Albuquerque . . .	52	+ 5	.3	+ .2	Richmond . . .	56	+ 5	.6	-.1
Pocatello . . .	33	- 5	1.0	+ .8	Roswell . . .	49	0	.3	+ .2	Roanoke . . .	53	+ 4	.1	-.5
ILL. Cairo . . .	55	+ 4	.2	-.7	N. Y. Albany . . .	46	+ 3	.1	-.5	WASH. Colville . . .	-. . .	-. . .	-. . .	-. . .
Chicago . . .	49	+ 6	.1	-.4	Binghamton . . .	46	+ 5	.2	-.5	Omak . . .	37	0	0	-.4
Moline . . .	46	+ 4	.6	+ .2	Buffalo . . .	45	+ 2	T	-.9	Quillayute . . .	42	- 3	1.5	-1.6
Peoria . . .	47	+ 4	.5	0	New York . . .	53	+ 3	T	-.9	Seattle-Tacoma . . .	43	- 3	.5	-.9
Rockford . . .	44	+ 3	.1	-.5	Rochester . . .	46	+ 3	.1	-.6	Spokane . . .	31	- 6	.1	-.4
Springfield . . .	50	+ 5	.2	-.3	Syracuse . . .	47	+ 3	T	-.8	Walla Walla . . .	39	- 5	T	-.4
IND. Evansville . . .	50	+ 3	.2	-.5	N. C. Asheville . . .	54	+ 6	T	-.6	Yakima . . .	36	- 4	0	-.2
Ft. Wayne . . .	46	+ 3	.1	-.5	Charlotte . . .	58	+ 5	.4	-.2	W. VA. Beckley . . .	50	+ 6	.3	-.4
Indianapolis . . .	49	+ 4	.2	-.5	Greensboro . . .	55	+ 4	.3	-.3	Charleston . . .	50	+ 2	.3	-.3
South Bend . . .	47	+ 4	.5	-.1	Hatteras . . .	62	+ 4	.5	-.6	Huntington . . .	49	+ 1	.2	-.4
IOWA. Burlington . . .	46	+ 3	.8	+ .4	Raleigh . . .	59	+ 7	1.2	+ .6	Parkersburg . . .	47	- 1	.2	-.4
Des Moines . . .	48	+ 7	.9	+ .5	Wilmington . . .	63	+ 5	.5	-.2	WISC. Green Bay . . .	41	+ 4	T	-.4
Dubuque . . .	44	+ 5	.2	-.4	N. DAK. Bismarck . . .	33	+ 1	.7	+ .6	La Crosse . . .	46	+ 7	.3	-.1
Sioux City . . .	44	+ 4	.3	+ .1	Fargo . . .	35	+ 3	.8	+ .6	Madison . . .	40	+ 2	.3	-.2
KANS. Concordia . . .	47	+ 3	.5	+ .3	Williston . . .	31	0	.4	+ .3	Milwaukee . . .	45	+ 5	.1	-.4
Dodge City . . .	46	+ 1	.2	0	OHIO. Akron-Canton . . .	45	+ 1	T	-.6	WYO. Casper . . .	32	- 4	.5	+ .3
Goodland . . .	42	+ 1	T	-.1	Cincinnati . . .	49	+ 3	.3	-.4	Cheyenne . . .	36	- 1	.1	0
Topeka . . .	48	+ 2	.9	+ .6	Cleveland . . .	48	+ 4	.2	-.5	Lander . . .	29	- 5	2.1	+ 1.9
Wichita . . .	48	0	.6	+ .3	Columbus . . .	46	+ 2	.2	-.4	Sheridan . . .	29	- 7	1.3	+ 1.1
KY. Lexington . . .	52	+ 5	.3	-.5	Dayton . . .	48	+ 3	.1	-.5	P. R. San Juan . . .	82	+ 3	1.9	+ .6
Louisville . . .	52	+ 4	.2	-.6	Toledo . . .	44	+ 1	.2	-.3					

Based on 1941-70 normals

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State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Temperatures 4° above normal. Widely scattered showers, first measurable rain in several weeks some areas.

Fieldwork: 6.0 days suitable. Soil moisture very short, harvest of crops major activity. Cotton 89% harvested, 75% 1977, 60% average. Corn 95% harvested, 92% 1977, 85% average. Soybeans 81% harvested, 55% 1977, 65% average. Small grains 66% seeded, 80% 1977, 81% average. Pecans poor to fair. Pastures poor.

ARIZONA: Sunny, unusually warm through mid-week. Storm 10th brought large amounts moisture northern 60% of State. Snow levels down to 5,000 ft. Temperatures mostly 2 to 6° above normal.

Cotton harvest southern Yuma County nearing completion, all other areas full swing, halted late week rain, muddy fields. Sorghum harvest tapering off. Corn harvest, southeast, virtually complete, sugarbeet harvest halted by rain. Alfalfa haying seasonally slow. Preparations limited planting small grains halted by weather. Lettuce harvest nearing full volume central areas, just underway Yuma County. Other mixed vegetables making good progress. Melon harvest virtually complete. Lemon harvest full volume Yuma area, increasing Salt River Valley. Early variety oranges, limited grapefruit harvest underway. Rainfall beneficial to ranges. Stock tanks filled, soil moisture improving. Ranges changed from mostly poor to mostly fair, improving. Cattle, calves fair to good condition.

ARKANSAS: A mild week with temperatures near normal to slightly above normal. Precipitation below normal. Most precipitation 1.61 in., least 0.06 in.

Small grain seeding active following soybean and cotton harvesting. Soil moisture short in most areas despite rain showers. Fieldwork: 5.2 days suitable. Soybean harvest 83% 1978, 61% 1977, 70% average. Cotton 89% completed, 90% 1977, 83% average. Rice harvest completed. Wheat seedings 81% completed, 72% 1977, 77% average. Oats 78% planted. Corn harvest 96% completed, 100% 1977 and average. Sorghum harvest 99%, 100% 1977, 99% average. Pecans excellent condition. Pastures below average condition. Cattle fair condition. Most producer's feeding supplemental feeds.

CALIFORNIA: Another week with essentially dry and rather warm average temperatures statewide. Above normal temperatures were similar to those of early and mid-October. Minor precipitation amounts were confined to very end of the period.

Cotton harvest full swing, 35 percent complete. Milo harvest continues. Sunflower and safflower being harvested. Fall fieldwork deciduous fruit progressing. Pruning and fertilizing. Some irrigation of grapes. Plantings and replants being fumigated. Light harvest of avocados. Wine grape harvest complete. Olive harvest nearing completion. Grapefruit harvest light. Navel orange crop sizing well, color beginning, harvest started. Tangerine harvest started, coloring slow. Artichokes, brussels sprouts, cabbage, carrots, spinach, light but steady. Broccoli, cauliflower, celery, active central coast and San Joaquin Valley. Lettuce, melons, good supply desert, bell peppers finishing.

COLORADO: Dry and mild through 9th. Major change 10th with cold moist air. Precipitation light over Plains but heavy rain and snow in southwest. Temperatures below normal late in week but averaged well above normal for week.

Winter wheat emerged 94%, 98% 1977, 95% average. Corn for grain harvested 90%, 100% 1977, 82% average. Sorghum for grain 92%, 100% 1977, 81% average. Sugarbeets harvested 97%, 95% 1977, 97% average. Winter barley good condition. Ranges and pastures poor condition. Livestock good condition. Fieldwork: 6.0 days suitable.

FLORIDA: A high pressure area dominated the 6th with generally fair weather. Rainfall generally light except heavy along southeast coast.

Soil moisture short most areas except south. Harvest soybeans nearing completion panhandle, active central north. Yields reduced by dry weather. Peanut harvest virtually complete, yields good. Cotton harvest continues. Pecan gathering active. Dry weather reduced prospects. Sugarcane condition good. Cutting seed declining, gaining sugar. Haying continues few areas. Land preparation for small grains delayed by dry soils. Pastures good condition in south, cattle condition declined in panhandle, some northern peninsular counties, but was generally good elsewhere. Citrus grove condition good to excellent. Very little new growth. Rain needed most areas. Good natural fruit color. Very little splitting of oranges. Harvest very active and increasing all areas. Vegetable crops generally fair to good. Condition lowered slightly some southern areas due to heavy rains. Harvest continues active, weather permitting. Overall shipments up 11 percent from previous week. Cabbage, carrot, celery, escarole, lettuce, pepper, radish shipments up considerably. Supplies snap beans, okra, tomatoes increased. Cucumbers, eggplant, sweet corn, squash steady but chinese cabbage down. Fruit quality, size, yields generally good. Plantings continue active various crops, weather permitting. Light strawberry transplanting continues. Growth very good. Excessive moisture few low spots.

GEORGIA: Temperatures 2 to 4° above normal for week, ranging from low 50's to low 60's. Rainfall averaged around 0.25 in. statewide, but ranged from none central and southeast to more than 1.00 in. extreme southwest. Weekend warm and dry. Soil moisture mostly very short to short.

Fieldwork: 5.0 days suitable. Corn 95% harvested, 94% last year. Soybeans poor to mostly fair, 72% combined, 41% last year. Cotton mostly fair to good, 89% picked, 56% last year. Apples poor to mostly fair, 98% picked, same last year. Pecans mostly fair to good, 38% gathered, 42% last year. Small grain seeding and emergence still behind due to drought, wheat 42% seeded, 70% last year, rye 44% seeded, 81% last year, other small grains 49% seeded, 80% last year. Pastures improved slightly, still mostly poor to fair. Cattle mostly fair to good, hogs fair to mostly good.

HAWAII: Rains heavy at times, continued. Some residential property damage Island Maui from flooding. Crop areas relatively unaffected.

Crop recovery, damaged from previous week's rains, slow. Spoilage losses, growth cracks reducing yields. Salvaging fruits from wind damaged banana orchards Island Oahu. Vegetable supplies head and chinese cabbage sufficient; others light. Banana supplies light. Papaya supplies late year flush ending; anticipate decline. Pineapple harvesting slow. Sugar harvesting slowing. Pastures generally good.

IDAHO: First significant winter storm moved across State last week. Temperatures plummeted late in week with 5° in Malad for lowest temperature. Precipitation varied considerably with snow reported in most southeast areas.

Sugarbeet harvest winding up. Fall tillage, moving cattle and getting ready for winter major farm activities. Livestock good condition with feed supplies adequate.

ILLINOIS: Temperatures: 1 to 5° above normal. Precipitation: Scattered, 0.10 to 0.75 in., heaviest west district.

Corn 94% harvested, 1977 81%, average 88%. Grain sorghum harvest 90% complete. Winter wheat good to fair. Plowing 1979 corn and soybean acreage 63% complete, 1977 30%, average 44%. Pasture conditions good to fair. Fieldwork: 6.3 days suitable. Soil moisture short to adequate.

INDIANA: Warm, dry week, very sunny in south. Temperatures averaged 5° above normal and ranged from 24 to 75°. Light showers of 0.10 or 0.20 general over State. Soil temperatures in low 50's.

Fieldwork: 6 days suitable. Topsoil and subsoil moisture adequate. Corn 85% harvested, 1977 80%, average 65%. Soybeans 95% combined, 1977 80%, average 85%. Wheat 100% seeded, 1977 90%, average 100%. Wheat 85% emerged. Wheat stands fair to mostly good. Spring crop land 40% plowed.

IOWA: Mild week; moderate to heavy weekend precipitation. Northwest first season snow.

Fieldwork: 6.7 days suitable. Topsoil moisture: short to adequate. Subsoil moisture: short to mostly adequate. Corn harvested 96%, 79% 1977, 81% normal. Corn harvest loss less than expected. Reports indicate on-farm storage space short to adequate. Reports indicate off-farm space short to adequate. Fall plowing completed 42%, 27% 1977, 37% normal. Livestock condition good, utilizing stubble fields. Market movement increasing, prices declining.

KANSAS: Moisture at beginning and end of week produced beneficial rains, 0.50 to over 1.00 in. in central and east with generally 0.10 in. or less in west. Temperatures averaged from 43° in northwest to from 48 to 51° in east or from just normal southwest to 6° above normal in northeast and 1 to 3° above normal elsewhere.

Wheat in central and eastern districts received needed moisture. Wheat in western one-third remains dry. Corn harvest 100% complete, 90% last year, 75% average. Sorghum harvest 95% complete, 85% last year, 70% average. Soybean harvest 95% complete, 65% last year, 80% average. Wheat being pastured limited.

KENTUCKY: Temperatures averaged slightly above normal in low to mid 50's and precipitation was light averaging less than 0.25 in.

Fieldwork: 4.9 days suitable. Soil moisture short to adequate. Corn harvest virtually complete west, statewide 89% compared 85% last year and 84% average. Soybean harvest 91% complete, 74%

last year, 77% average. Burley stripped 22%, 51% last year, average 37%. Stripping progress latest of any recent crop. Fall plowing active. Wheat mostly good condition with a little seeding continuing in southern areas. Pastures need rain.

LOUISIANA: Temperatures 2 to 4° above normal. Extremes: 87 and 31°. Light showers statewide.

Fieldwork: 5.2 days suitable. Soil moisture short. Cotton 94% harvested, 85% last year, 68% average. Soybeans 95% harvested, 79% last year, 77% average. Sugarcane fair to good, 42% harvested, 35% last year and average. Pecans 33% harvested, 55% last year. Sweetpotatoes 94% harvested, 93% last year, 94% average. Oat and wheat 88% planted, 72% last year, 82% average. Hay fair. Pasture poor to fair. Cattle fair to good.

MARYLAND & DELAWARE: Temperatures averaged 3° above normal. Highs upper 60's, low 40's, western areas cooler. Precipitation light ranging from 0 to 0.75 in.

Fieldwork: 5.1 days suitable. Soil moisture supply short. Pastures continue below average. Corn for grain 98% harvested. Soybeans 75% harvested, 50% 1977, 66% average. Seeding of small grains progressed slowly; many farmers waiting for rain. Tobacco crop being stripped. Apple harvest still active.

MICHIGAN: Another week of beautiful weather with daytime highs in 50's and 60's. Temperatures ranged from normal to 5° above. Early morning lows in the teens in U.P. Generally dry with some precipitation at beginning and end of week. Snow reached a depth of 1.00 in. at Houghton on the 11th.

Fieldwork: 6 days suitable. Soil moisture adequate. Pasture feed supplies average. Fall acreage plowed 45% complete. Grain corn 85% harvested, 60% last fall, 75% normal. Soybeans 95% combined, 75% last season, 90% normal. Sugarbeets 100% dug, 85% last year, 95% normal.

MINNESOTA: Temperatures averaged 2° above normal north, 5° above normal south. Extremes: 73° at Redwood Falls, 9° at International Falls. Precipitation averaged near normal. Precipitation totals ranged from 0.08 to 0.76 in. Snowfall at week's end ranged from trace southeast to 4.00 in. northwest.

Farmers completing corn harvest. Corn 97% picked, 1977 94%, normal 96%. Soybean 99% combined, 1977 97%, normal 99%.

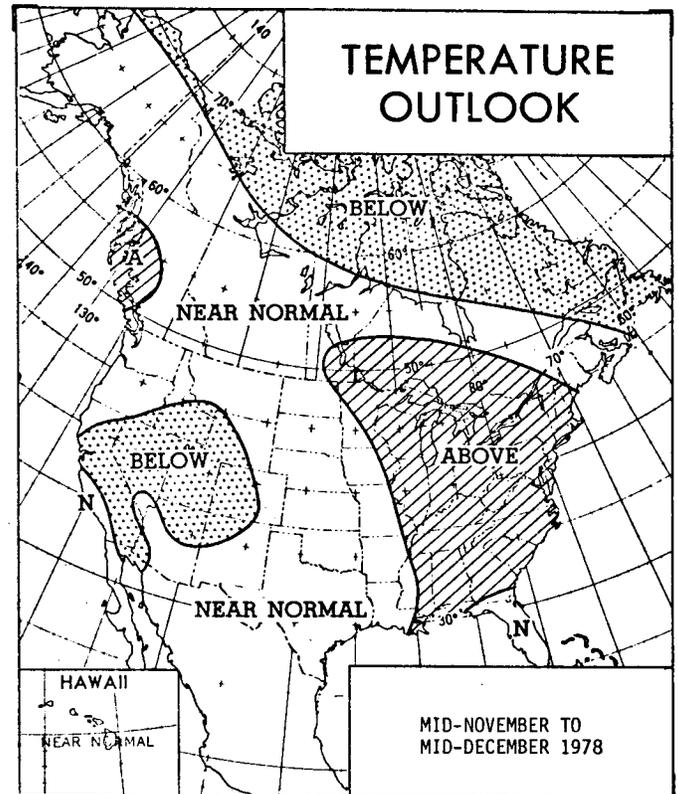
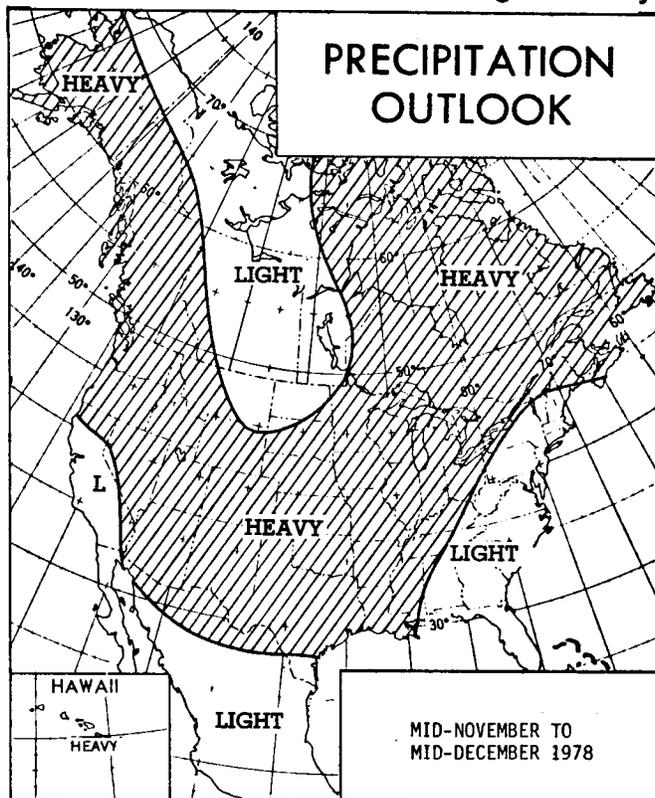
MISSISSIPPI: Temperatures near normal. Extremes: 28° and mid 80's. Widespread light rain midweek.

Soil moisture short to very short. Fieldwork: 5.4 days suitable. Weather for harvest continued excellent with only light rain early week. Winter grazing prospects improved but most areas still dry and more moisture needed. Soybeans 88% harvested, 70% 1977, 63% average. Cotton 95% harvested, 89% 1977, 71% average. Corn 96% harvested, 92% 1977, 86% average. Winter wheat 70% planted, 80% 1977, 80% average; crop in poor condition. Pastures poor condition; livestock fair.

MISSOURI: Rainfall was heaviest in the northwest where the average was 0.90 in., while the southeast reported spotty precipitation averaging less than 0.25 in. A light frost which covered most of the State was reported on the 7th. Temperatures averaged 6° above seasonal expectations.

Fieldwork: 5.1 days suitable. Soybeans 92% harvested, last year 62%, normal 76%. Corn 84%

Average Monthly Weather Outlook



harvested, last year 71%, normal 74%. Grain sorghum 87% harvested, last year 79%, normal 76%. Cotton 95% harvested, last year 87%, normal 69%. Winter wheat seedings 90% complete, last year 76%. Fall plowing for spring planted crops 48% complete, last year 25%. Condition of pasture poor to fair. Soil moisture supplies short to adequate.

MONTANA: Extreme change in the weather occurred throughout Montana, Arctic air spilled out mid-week. Maximums were in the 60's and low 70's but fell to near zero over northcentral, and teens elsewhere by end of week. From 1 to 2 feet of new snow accompanied the storm. Moisture ranged from 1.00 to 2.00 in. in the southeast to around 0.25 in. or more elsewhere. Temperatures averaged between 5 and 10° below normal. Precipitation was well above.

Winter wheat condition good, wind damage light. Topsoil moisture mostly adequate, subsoil adequate. Stock water adequate, range condition good. Less than 25% of stock on supplemental feed.

NEBRASKA: Temperatures near or slightly above normal. Precipitation light at end of week averaging 0.10 to 0.25 in.

Corn harvested 92%, last year 85%, normal 80%. Soybean harvest completed. Sorghum harvest 98%, last year and normal 90%. Winter wheat condition: fair to good. Fieldwork: 6.6 days suitable.

NEVADA: Pleasant Indian summer weather first four days of week, cold, wintry weather remainder. Temperatures 2 to 7° below normal north and central and 2 to 7° above south. Extremes: 82 and 2°. Precipitation amounts extremely variable.

Rain and snowfall favorable to fall seeded grains. Cotton harvest off to slow start.

NEW ENGLAND: Mild and relatively dry weather continued over the New England area during this week. Rainfall 0.05 to 0.15 in. quite generally over the region, 6th through 8th.

NEW JERSEY: Temperatures ran slightly below normal, averaging: 47° north, 50° south and 51° coastal. Extremes: 27° at Newton 10th and 73° at Charlotteburg 6th. Little or no rain has fallen since October 20. Rainfall well below normal, averaging: trace in. north, 0.07 in. south and 0.08 in. coastal.

Very light movement of hardy vegetable continues. Apples, potatoes and sweetpotatoes moving from storage. Harvest of field corn and soybeans well advanced. Cover crop seeding continues.

NEW MEXICO: Extensive rain 10th thru 12th with some snow high elevations. Precipitation totals to more than an inch several areas. Temperatures for the week averaged near normal to 6° warmer than normal.

General rains continue to delay harvest, but no killing freezes reported in major producing areas. Cotton harvest late, and very little picked last week because of rain. Less than 15% ginned. Alfalfa cutting at standstill. Grain sorghum harvest very light due to rain. About 60% cut. Winter wheat in good condition. Pecans opening. Fall shipment of livestock slowing down. Recent moisture and late freezes have helped some ranges.

NEW YORK: Slightly above normal temperatures in the 40's to low 50's. Precipitation less than 0.25 in. continues below normal since the last week of October.

NORTH CAROLINA: Temperatures: 5 to 7° above normal. Precipitation: 1.00 to 2.00 in. in east, elsewhere 0.25 in.

Fieldwork: 5.0 days suitable. Soil moisture short. Condition: wheat, oats, barley and rye mostly fair. Pastures poor to fair. Harvested: Soybeans 50%, 1977 16%, average 39%; cotton 77%, 1977 64%, average 62%; sorghum 91%, 1977 82%, average 80%. Planted: Wheat 73%, 1977 73%; oats 81%, 1977 80%; barley 82%, 1977 80%; rye 83%, 1977 74%.

NORTH DAKOTA: Week began very mild but then first winter storm struck 9th. Rain and snow turned to all snow and by evening of 10th, 5 to 7 in. had accumulated in western and southern North Dakota. Temperatures for week averaged near normal. Extremes: 6° northeast to 70° south central.

Winter storms brought abrupt halt to any fieldwork being done, but virtually all harvesting has been completed. Cattlemen now placing herds on winter feed. Snows have been wet which will help soil moisture situation.

OHIO: Highest temperature 71° at Cincinnati, low 19° at Canfield. Temperatures averaged 2° above normal. Light showers occurred in all parts of the State at least once during the week.

Winter wheat stands good. Livestock in excellent condition. Soil moisture short to adequate. Fieldwork: 5.0 days suitable. Corn harvested 85%, 1977 80%, average 75%. Soybean harvested 95%, 1977 95%, average 90%. Sugarbeet harvested 100%, 1977 95%, average 90%. Popcorn harvested 95%, 1977 85%, average 85%. Tobacco stripped 30%, 1977 35%. Fall plowing 40%, 1977 35%, average 30%.

OKLAHOMA: Temperatures ranged from 3° below normal Panhandle and west central to 2° above normal northeast and east central. Precipitation all divisions ranging from 0.08 in. central to 0.58 in. east central.

Topsoil and subsoil moisture supplies short. Wheat fair condition with 87% up to stand 1978 and normal, 91% 1977. About 4% wheat acreage being grazed compared to 11% last year. Sorghum rated fair with 60% harvested, 75% 1977, 63% normal. Peanuts fair condition with 89% harvested, 86% 1977, 91% average. Cotton fair condition. About 15% harvested, 32% 1977, 13% normal. Range and pastures rated fair to poor. Livestock rated good to fair. Hay supplies are short. Fieldwork: 6.3 days suitable.

OREGON: Temperatures averaged near to 5° above normal. The week started out with above normal but cold air moved into the State by the end of the week. Rainfall along the coast and interior valleys ranged from 0.50 to 1.50 in., elsewhere State was dry except for a few light showers along the eastern border. Extremes: Low 70's, low 20's west; mid-60's, near zero east.

Good week for fieldwork. Some fall grains still going in. Few nuts and vegetables moving to market. Sugarbeet harvest in eastern Oregon about over. Some hay still down being baled. Livestock continue in good shape.

PENNSYLVANIA: Mild, partly sunny and dry most of week. Temperatures 1 to 6° above normal but coolest week since early May. Extremes 73 and 19°. Light rain 7th and 12th totaled 0.30 in. or less for driest week Statewide since mid August. Open weather allowed continuation of harvesting.

PUERTO RICO: Island average rainfall 0.69 or 0.92 in. below normal. Temperatures averaged about 80° on coasts and 74° interior. Extremes: 92 and 56°.

SOUTH CAROLINA: Above normal temperatures, coolest in the 30's. First general rains of fall at mid-week although generally light to moderate.

Soil moisture near very short. Fieldwork: 5.0 days suitable. Cotton 92% harvested, 76% last year and average; yields and quality good. Soybean condition fair, 89% mature, 91% last year; harvested 54%, 25% last year, 34% average. Small grains poor to fair, need more rainfall although light rains encouraged some germination. Pastures poor to fair. Livestock fair to good due to supplemental hay feeding. Fall vegetables poor to fair, only greens, cold weather crops remain.

SOUTH DAKOTA: Weather changed sharply midweek. Readings dipped from 70's to 20's and 30's. Extremes: 8 and 75°. Rain began 9th changed to snow and ice. Snow accumulations greatest northwest, up to 10 in. Precipitation amounts 0.25 to 1.00 in. northwest, 0 to 0.40 in. southeast.

Snow temporarily stopped corn harvest in the west and north. Corn for grain 95% harvested, 1977 80%, normal 88%. Harvest in southwest and east central lags State average. Fieldwork: 6 days suitable. Greenbug infestations in winter wheat, heaviest in west central. Oat-bird cherry aphids found in same area. Wheat fields under stress from short moisture supplies.

TENNESSEE: High pressure. Temperatures 3 to 5° above normal. Precipitation averaged 0.50 in. or less.

Fieldwork: 5.3 days suitable. Soil moisture short. Corn harvested 92%, 1977 84%, average 76%. Cotton harvested 96%, 1977 89%, average 64%. Soybeans harvested 94%, 1977 78%, average 58%. Burley tobacco stripped 45%, 1977 70%, average 65%. Fall plowing completed 88%, 1977 85%, average 84%. Wheat seeded 86%, 1977 86%, average 80%. Oats seeded 97%, 1977 95%, average 93%. Barley seeded 96%, 1977 96%, average 97%. Pastures poor. Cattle on supplemental feed.

TEXAS: Two cold fronts moved into State. First front triggered light rain while second brought cooler temperatures. Light precipitation West Texas, some freezing Panhandle. Rainfall near normal Panhandle, West Texas; elsewhere, amounts below normal. Temperatures ranged near 50° Panhandle to mid-60's along Gulf Coast. Readings below normal Panhandle, East Texas; near normal west central, north central, central Texas, Upper Gulf Coast; above normal far west Texas, Edwards Plateau, Rio Grande Valley

Rains caused delays cotton, sorghum, peanut, soybean harvest but very beneficial wheat, oat stands. Light freeze scattered localities High, Low Plains but hard freeze needed aid cotton, sorghum harvest. Wheat, oats excellent response recent rains, light grazing available most areas. Cotton harvest little progress High, Low Plains; rains kept strippers out of fields. Several localities freezing weather will speed harvest but most areas on Plains heavy freeze still needed. Harvested stands showing good grades, quality. High moisture content delaying harvest sorghum. Corn harvest complete last week. Peanut harvest normal progress about on schedule. Yields, grades generally better this year though most areas affected by drought. Wheat stands show excellent growth following recent rains. Corn harvested 100%, 100% 1977, 100% average. Cotton harvested 35%, 69% 1977, 46% average. Peanuts harvested 88%, 85% 1977, 92% average. Pecans harvested 24%, 27% 1977, 23% average. Sorghum harvested 92%, 99% 1977, 98% average. Soybeans harvested 76%, 75% 1977, 72% average. Sugarbeets harvested 49%, 66% 1977, 57% average. Sunflowers harvested 89%,

97% 1977, 88% average. Flax planted 49%, 6% 1977, 15% average. Oats planted 96%, 87% 1977, 92% average. Wheat planted 97%, 90% 1977, 94% average. Lower Rio Grande Valley, cabbage, bell pepper, honeydew melon, cucumber harvest active. Citrus harvest continued to increase. Grapefruit sizes above average. Coastal Bend, cucumber movement continued. San Antonio-Winter Garden, carrot harvest underway. Cabbage harvest continued with good yields, quality. East Texas, sweetpotato harvest active. Some areas received killing frost. Dry conditions still prevailed over area. High Plains, limited supplies bell peppers, carrots harvested. Trans-Pecos, bell pepper harvest active as fields dried. Pecan harvest slowed by rains in southeastern counties and in Edwards Plateau.

Rains over Edwards Plateau and southern High Plains should promote winter forage production. Generally, livestock good condition. Range, pasture conditions in north central, northeast counties declining due to prolonged dry weather. Supplemental feeding, heavy culling prevalent with cattle in fair to good condition. Additional moisture received southeastern counties very beneficial to ranges, grasses. Overall forage conditions in Trans-Pecos, South Texas above average and livestock in good to excellent condition.

UTAH: Severe cold front accompanied by snow or rain changing to snow spread over most of State during weekend. Accumulated amounts moisture locally moderate to heavy. Marked cooling trend latter part period but average temperatures ranged from slightly below normal to a few degrees above.

Sugarbeet harvest virtually completed. Snow and rain end of week hampered those still harvesting corn for grain. Breeding of range ewes for spring lambing. Turkey processing in progress for upcoming holiday seasons.

VIRGINIA: Temperatures averaged above normal. Extremes: 80 and 22°.

Topsoil moisture mostly short. Fieldwork: 5.4 days suitable. Pastures mostly poor. Harvest progress: Corn 91%, 87% 1977, 80% average. Soybeans 76%, 20% 1977, 49% average. Sorghum grain 65%, 28% 1977. Light showers east, southeast delayed some soybean harvests but brightened small grain prospects. Activities: Tobacco curing, grading, marketing; sweetpotato digging on Eastern Shore; livestock care, marketing.

WASHINGTON: West: Temperatures averaged normal to 1° below. Precipitation 0.20 to 0.40 in. below normal.

Farm activity slowing down with weather. Carrots still being dug. Christmas tree harvest

is starting. Raspberry and blueberry pruning continued. Livestock and dairy producers on winter programs.

East: Temperatures averaged 1 to 3° below normal. Precipitation ranged from 0.10 in. above normal to 1.30 in. below normal.

Cleanup, rodent control near complete in orchards. Pruning has started. Sugarbeet, potato, corn harvest near complete in many areas. Livestock on fall pastures.

WEST VIRGINIA: Temperatures well above normal. Precipitation well below normal.

Fieldwork: 5.2 days suitable. Soil moisture mostly short to adequate. Major activities: Harvesting corn, caring for livestock and seeding small grains. 3d cutting of hay virtually complete. Corn harvested 81%. Wheat planted 98%. Barley sown 95%. Hay condition mostly fair. Pasture condition fair to poor. Hay supply 90% adequate, 10% surplus. Starting to feed cattle hay in southeast counties.

WISCONSIN: Temperatures 3° above normal. Highs reached 60's south 8th and 9th. Lowest readings in teens north and 20's elsewhere 7th. Extremes: 67 and 17°. Precipitation light, ranging from 0.40 in. northwest to 0.10 in. southeast. Cold, Canadian air moved into north 10th, bringing freezing rain and 1.00 to 2.00 in. snow extreme north weekend. Other areas had some rain and cooler temperatures.

Another good week for crop harvest. Fieldwork: 7.0 days suitable. Corn for grain 80% harvested, 1977 75%, average 85%. Yields very good and storage full. Soybeans 90% harvested, 1977 75%, average 95%. Soybean yields good. Fall plowing 45%, 1977 40%, average 55%. With harvesting of crops mostly completed, farmers preparing for winter. Soil moisture generally adequate but could use some rain after a month of relatively dry weather.

WYOMING: Cold, Arctic front moved through State late in week bringing very cold temperatures but combined with Indian summer weather earlier in week average temperatures remained significantly above normal. Precipitation also came late in week after an extended dry spell so averages for most stations still at or below normal.

Topsoil moisture short. Sugarbeet harvest nearly finished. Corn for grain 62% harvested. Winter wheat fair to good condition, additional moisture needed for good development. Winter grazing prospects fair to good most areas. Stock water adequate except for few scattered areas. Livestock average to above average condition.

World Weather and Crop Update

November 6 - 13

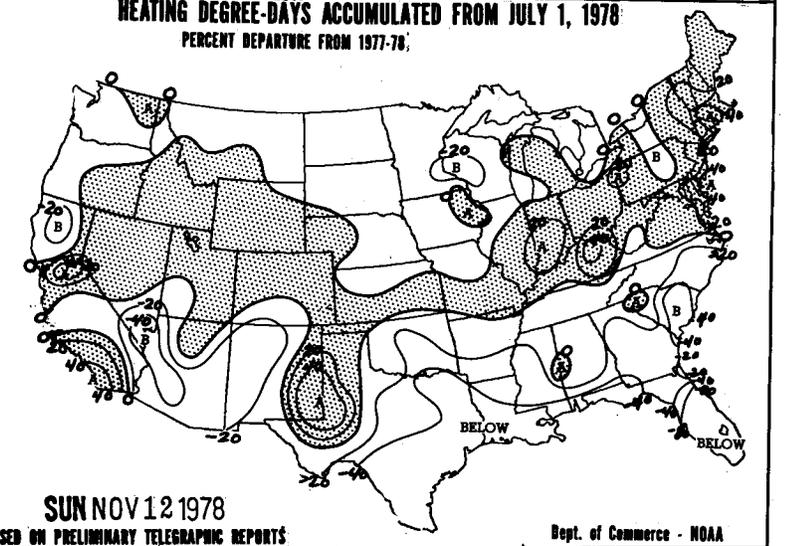
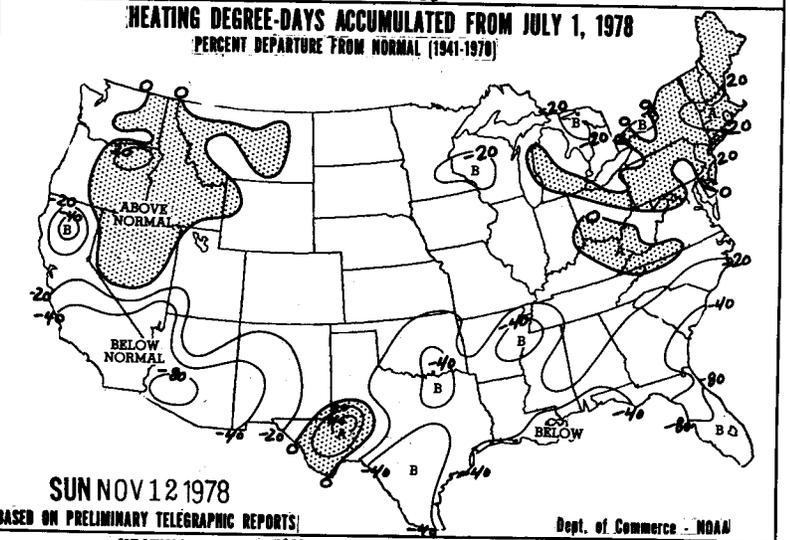
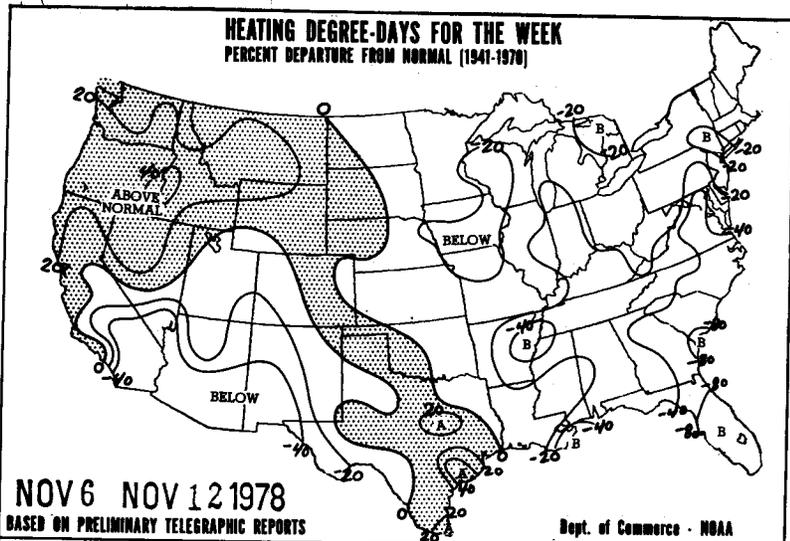
USSR. Precipitation stayed again below normal in western European Russia with almost none falling in the Ukraine. The Central Region received slightly above-normal amounts of 10 to 20 mm, and the Volga Valley's 5 to 10 mm was normal for this season. In the Urals and western New Lands, precipitation continued to be much above-normal with amounts commonly 15 to 30 mm and ranging up to 100 mm. Moisture over the remainder of the New Lands was mostly near normal; soil moisture in this spring wheat area seems good as the winter freeze commences.

PEOPLE'S REPUBLIC OF CHINA. The southern half of the winter wheat belt received much-above-normal

rains of 30 to 50 mm. These amounts were somewhat greater than those dropped by the storm of two weeks ago in the same general area. The moisture should assure adequate water for the wheat crop until dormancy. Lesser, but near-normal amounts, fell in the northern half of the belt where wheat should suffer little if irrigated by the more abundant water supplies of the Yangtze River to the south.

SOUTHEAST ASIA. Much of SE Asia received only light rainfall for the second consecutive week---substantial rain of 20 to 60 mm being limited to Vietnam. Normal, heavy rainfall continued in the Malay Peninsula and Indonesia.

(continued on page 11)



page 10

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING NOV. 12, 1978.

STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +		STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +		STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +	
	TOTAL	DEPARTURE*	TOTAL	DEPARTURE*		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*
ALA. BIRMINGHAM...	174	11	1056	141	MAINE CARIBOU...	196	16	1616	76	OKLA. OKLAHOMA CITY...	141	12	800	14
MOBILE...	119	46	658	19	PORTLAND...	159	6	1085	36	TULSA...	92	14	189	11
MONTGOMERY...	119	46	658	19	MD. BALTIMORE...	88	25	460	0	OKLA. TULSA...	92	14	189	11
ARTIZ. FLAGSTAFF...	174	11	1056	141	MASS. BOSTON...	101	18	741	162	OREG. ASTORIA...	104	22	523	10
PHOENIX...	101	37	577	11	MICH. ALPENA...	104	39	598	184	BURNS...	104	22	523	10
TUCSON...	96	32	525	9	DETROIT...	104	39	598	184	MEDFORD...	104	22	523	10
MINSON...	96	32	525	9	FLINT...	104	39	598	184	PENDELTON...	104	22	523	10
YUMA...	96	32	525	9	GRAND RAPIDS...	104	39	598	184	PORTLAND...	104	22	523	10
ARK. FORT SMITH...	79	7	225	46	HOUGHTON LAKE...	104	39	598	184	SALCH...	104	22	523	10
LITTLE ROCK...	51	36	169	117	LANSING...	104	39	598	184	PA. ALLENTOWN...	111	23	666	103
CALIF. BAKERSFIELD...	131	11	821	1	HARBOUR...	104	39	598	184	ART...	111	23	666	103
FRESNO...	131	11	821	1	HUSKON...	104	39	598	184	HARRISBURG...	111	23	666	103
LOS ANGELES...	131	11	821	1	S. STE. MARIE...	104	39	598	184	PHILADELPHIA...	111	23	666	103
RED BLUFF...	131	11	821	1	MINN. DULUTH...	210	21	1350	128	ATTSBURGH...	111	23	666	103
SAN BLUFF...	131	11	821	1	INTERNATIONAL FALLS...	210	21	1350	128	SCRANTON...	111	23	666	103
SAN FRANCISCO...	70	0	0	0	MINNEAPOLIS...	153	7	950	23	R. I. PROVIDENCE...	115	18	820	149
STOCKTON...	70	0	0	0	ST. CLOUD...	103	4	560	144	S. C. CHARLESTON...	115	18	820	149
COLO. DENVER...	146	27	707	91	MISS. JACKSON...	50	9	152	69	COLUMBIA...	115	18	820	149
GRAND JUNCTION...	146	27	707	91	MO. COLUMBIA...	101	26	415	78	GREENVILLE...	115	18	820	149
PUEBLO...	146	27	707	91	KANSAS CITY...	101	26	415	78	S. DAK. ABERDEEN...	115	18	820	149
HARTFORD...	139	6	957	218	SPRINGFIELD...	101	26	415	78	HURON...	115	18	820	149
CONN. HARTFORD...	139	6	957	218	ST. LOUIS...	101	26	415	78	ST. JOSEPH...	115	18	820	149
DEL. WILMINGTON...	95	21	524	50	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
D.C. WASHINGTON...	58	42	294	70	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
FLA. PALM BEACH...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
FT. MYERS...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
JACKSONVILLE...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
KEY WEST...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
MIAMI...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
ORLANDO...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
TALLAHASSEE...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
TAMPA...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
MESA...	10	10	42	23	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
GA. ATLANTA...	40	3	172	99	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
AUGUSTA...	40	3	172	99	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
Macon...	40	3	172	99	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
Savannah...	40	3	172	99	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
IDAHO. BOISE...	101	1	609	90	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
LEWISTON...	101	1	609	90	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
POCATELLO...	101	1	609	90	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
ILL. CATO...	81	1	316	8	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
CHICAGO...	81	1	316	8	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
MOBILE...	81	1	316	8	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
PEORIA...	81	1	316	8	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
ROCKFORD...	81	1	316	8	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
SPRINGFIELD...	81	1	316	8	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
IND. EVANSVILLE...	98	2	462	5	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
FORT WAYNE...	98	2	462	5	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
INDIANAPOLIS...	98	2	462	5	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
SOUTH BEND...	98	2	462	5	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
IOWA. BURLINGTON...	127	27	650	35	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
DES MOINES...	127	27	650	35	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
DUBUQUE...	127	27	650	35	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
STOUCX CITY...	127	27	650	35	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
KANS. CONCORDIA...	127	17	488	47	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
DOGE CITY...	127	17	488	47	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
GOBLAND...	127	17	488	47	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
TOPEKA...	127	17	488	47	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
NICHITA...	127	17	488	47	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
KY. LEXINGTON...	92	34	507	19	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
LOUISVILLE...	92	34	507	19	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
LA. BATON ROUGE...	32	7	162	4	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
LAKE CHARLES...	32	7	162	4	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
NEW ORLEANS...	32	7	162	4	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149
SHREVEPORT...	32	7	162	4	SPRINGFIELD...	101	26	415	78	ST. LOUIS...	115	18	820	149

BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1978.

(continued from page 9)

AUSTRALIA. As the wheat crop neared maturity, normal or above-normal rains fell only in Victoria in the southern portion of the belt. Ideal dry weather prevailed as the harvest begins in wheat areas of northern New South Wales, Queensland, and western Australia.

INDIA. Less rain fell in the South compared with the week before, but totals still exceeded normal in the hills along the southwestern coast. Much of the North and East stayed dry; however, only along the southeast coast is weekly rainfall of 5 to 15 mm normally expected.

AFRICA. North Africa was mostly dry; only coastal Tunisia and extreme northern Morocco received 25 to 40 mm. Generally normal rain fell in the western portion of Africa; little moisture fell in the east coast countries for the second consecutive week. In South Africa's Maize Triangle, the rainfall pattern remained uneven, but few areas should experience moisture shortages for planting purposes.

EUROPE. Most of Europe was virtually without precipitation. Normal rains fell only in western portions of the United Kingdom and over an extensive area in the Iberian Peninsula. These rains should allow commencement of winter wheat planting in some areas of Spain, but more rainfall will be needed almost immediately for proper development of the crop. Northeastern Spain remained dry.

SOUTH AMERICA. Rainfall in the Brazilian state of Parana neared normal on the whole assuring the successful completion of planting. Very little rain fell in the western portions of Rio Grande do Sul, but soil moisture should be adequate for planting because of the previous week's rains. In Argentina, rainfall ranged from near zero in the southern portion of the wheat belt and in the Northeast, to an above-normal 50 to 60 mm at scattered locations in between.



FIRST CLASS MAIL

HARVESTING PROGRESS

PERCENT OF ACREAGE HARVESTED
 AS OF NOVEMBER 12

soybeans

	1978	1977	AVG.
ALA	81	55	65
ARK	83	61	70
GA	72	41	NA
ILL	100	93	98
IND	95	90	85
IOWA	100	87	97
KANS	95	65	80
KY	91	74	77
LA	95	79	77
MICH	95	75	90
MINN	99	97	99
MISS	88	70	63
MO	92	62	76
NEBR	100	90	95
NC	50	16	39
OHIO	95	95	90
SC	54	25	34
TENN	94	78	58
TEX	76	75	72
U.S.	91	76	82

THESE 19 STATES PRODUCED 96%
 OF THE 1977 U.S. SOYBEAN CROP.

sorghum

	1978	1977	AVG.
COLO	92	100	81
KANS	95	85	70
MO	87	79	76
NEBR	98	90	90
OKLA	60	75	63
S DAK	100	92	99
TEX	92	99	98

7 STATES 92 91 85
 THESE 7 STATES PRODUCED 93%
 OF THE 1977 U.S. SORGHUM CROP.

corn

	1978	1977	AVG.
GA	95	94	NA
ILL	94	81	88
IND	85	80	65
IOWA	96	79	81
KANS	100	90	75
KY	89	85	84
MICH	85	60	75
MINN	97	94	96
MO	84	71	74
NEBR	92	85	80
NC	100	100	85
OHIO	85	80	75
PA	NA	NA	NA
S DAK	95	80	88
TEX	100	100	100
WISC	80	75	85
U.S.	92	82	82

THESE 16 STATES PRODUCED 94%
 OF THE 1977 U.S. CORN CROP.

cotton

	1978	1977	AVG.
ALA	89	75	60
ARK	89	90	83
GA	89	56	NA
LA	94	95	68
MISS	95	89	71
MO	95	87	69
NC	77	64	62
OKLA	15	32	13
SC	92	76	76
TENN	96	89	64
TEX	35	69	46
11 STATES	54	73	53
CALIF	35	NA	NA

THESE 11 STATES PRODUCED 78%
 OF THE 1977 U.S. COTTON CROP.

NA NOT AVAILABLE